

Title (en)

Map update data supply device and map update data supply program

Title (de)

Kartenaktualisierungs-Datenversorgungsvorrichtung und Programm zur Kartenaktualisierungsdatenversorgung

Title (fr)

Dispositif de mise à disposition des données de mise à jour de cartes et programme de mise à disposition de données de mise à jour de cartes

Publication

EP 2360604 A1 20110824 (EN)

Application

EP 11150239 A 20110105

Priority

JP 2010019578 A 20100129

Abstract (en)

A preferred configuration of the present invention includes an update map database (DB1) that manages and stores, per section (p), versions of an update data file (Ma) for difference updating the map database (DB3) of a navigation device (2); a request update data extraction unit (10) that, based on an update request (fb) from the navigation device (2), extracts versions of a request update section (23) up to the latest version thereof; a safeguard update data extraction unit (11) that extracts versions of a safeguard update section (24) up to an update safeguard version (uva); an integrated data generation unit (12) that integrates the extracted request update section (23) and generates a request update integrated data file (33), and integrates the extracted safeguard update section (24) and generates a safeguard update integrated data file (34); and an integrated data supply unit (13) that supplies to the navigation device (2) the generated request update integrated data file (33) and the generated safeguard update integrated data file (34).

IPC 8 full level

G06F 17/30 (2006.01); **G01C 21/32** (2006.01)

CPC (source: EP US)

G01C 21/3815 (2020.08 - EP US); **G01C 21/3859** (2020.08 - EP US); **G01C 21/3878** (2020.08 - EP US); **G06F 16/29** (2018.12 - EP US)

Citation (applicant)

- JP 2010019578 A 20100128 - BRIDGESTONE CORP
- JP 2004178248 A 20040624 - ZANAVY INFORMATICS KK

Citation (search report)

- [I] WO 2008055729 A1 20080515 - BOSCH GMBH ROBERT [DE], et al
- [A] EP 1385102 A2 20040128 - NAVIGATION TECH CORP [US]
- [I] ACTMAP: "Information Society Technologies. Actual and dynamic MAP for transport telematic applications (Project No IST-2001-34141; Deliverable No. D 3.2) - ActMAP Specification", INTERNET CITATION, October 2004 (2004-10-01), XP007901287, Retrieved from the Internet <URL:http://www.ertico.com/download/actmap_public_documents/2_118v11-D32-A ctMAP-Specification.pdf> [retrieved on 20061101]
- [I] OTTO H U ET AL: "The actmap approach-specifications of incremental map updates for advanced in-vehicule applications", INTERNET CITATION, 2005, XP007901321, Retrieved from the Internet <URL:http://www.ertico.com/download/actmap_public_documents/2005-06%20ActMAP_approach_ITSinEurope.pdf> [retrieved on 20061114]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2360604 A1 20110824; CN 102142012 A 20110803; CN 102142012 B 20150610; JP 2011158339 A 20110818; JP 5440854 B2 20140312; US 2011191285 A1 20110804; US 8626704 B2 20140107

DOCDB simple family (application)

EP 11150239 A 20110105; CN 201010623815 A 20101231; JP 2010019578 A 20100129; US 201113005799 A 20110113